

**PUBLIC NOTICE
(TDEC03-45)**

PERMIT APPLICATION: NRS #03-347

APPLICANT: Tennessee Department of Transportation
Environmental Planning and Permits Division
Suite 900, J.K. Polk Building, 505 Deaderick St.
Nashville, TN 37243-0334
(615) 253-2477

LOCATION: Interstate 24 Widening from SR 840 @ LM 11.37 to east of SR 96 @ at LM 14.81,
Rutherford County TDOT#75001-1178-44, Fed# IM-24-1(84)72, PIN 101441.00

WATERSHED DESCRIPTION: The proposed project lies within the West Fork Stones River and Watershed and is included in the USGS Hydrologic Map Unit 05130203 of TN. The unnamed tributary to West Fork Stones River at station 1395± 26.93 is a perennial to intermittent stream flowing northeast thru a box culvert passing beneath all lanes and median of I-24 approximately 5 feet wide and less than 1 foot deep. The substrate is mainly silt. Upland vegetation is present along both banks including hackberry, white pine and wild rose.

PROJECT DESCRIPTION: The applicant proposes to widen I-24 from SR 840 Interchange to 0.5 miles east of SR 96 interchange to four basic 12 feet wide traffic lanes in each direction with auxiliary lanes as required. LA 22 feet flush median, with a concrete median barrier, will separate opposing movements and 12 feet outside shoulders will be provided in each direction. At Station 1395± 26.93. An existing box culvert will be extended 9.21 feet
As mitigation for 9.0 ft. of stream losses from culverting and loss of stream length, TDOT proposes payment of \$1800.00 to the Tennessee Wildlife Resources Foundation for the In-Lieu Fee Stream Mitigation Program.

The project would be staged in order to complete all necessary excavation in the dry. Standard erosion control devices would be used to prevent sediment from entering flowing water. Upon completion of the work, all disturbed areas would be stabilized.

PERMIT COORDINATOR: Jennifer Wallens

USGS TOPOGRAPHIC QUADRANGLES: Walter Hill, TN Quadrangle 315 NW

Attached:
FIGURES 1 4

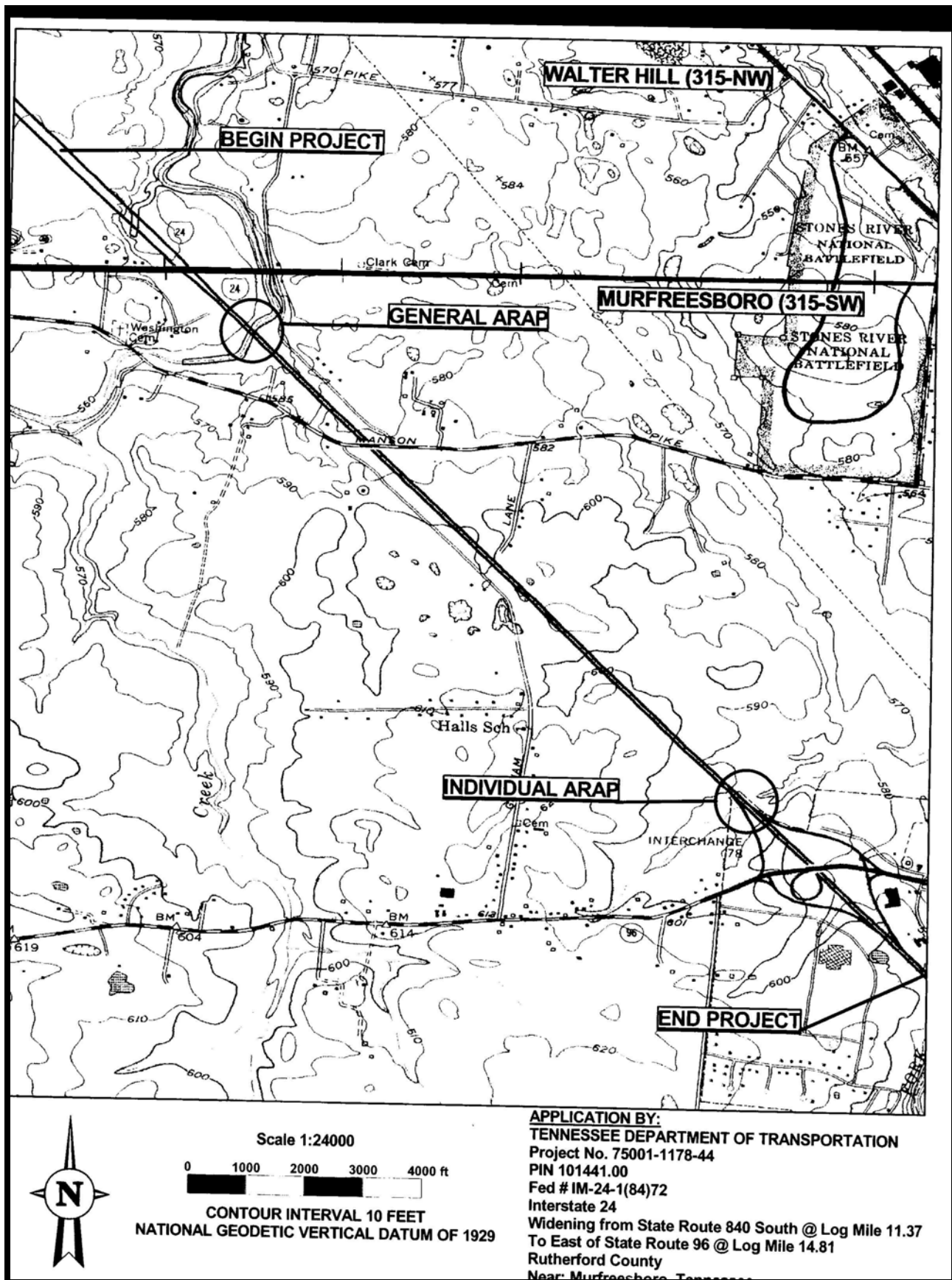


Figure 1 Location Map

Project # 75001-1178-44

Project Description: Interstate 24, Widening from State Route 840 South @ Log Mile 11.37 to East of State Route 96 @ Log Mile 14.81, Rutherford County

Table 1. Summary of Individual Permit (ARAP) Stream Mitigation

Permit I.D.	Impact Stations	Exist. Open Stream Impact ft	Prop. Open Stream Length ft	Total Exist. Structure Length ft	Proposed Structure or Ext. ft	Total Structure Length ft	Surface Area Impact ac	Replacement Length Required ft	Replacement Length Prop. On-Site ft	Total In-Lieu Fee Length ft	In-Lieu Fee Impact I (x 0.50) ft	In-Lieu Fee Impact II (x 0.75) ft	In-Lieu Fee Impact III (x 1.0) ft
IARAP #1	1395+26.93	9.0	0.0	239.0	9.0	248.0	0.002	9.0	0.0	9.0	0.0	0.0	9.0
TOTALS		9.0	0.0	239.0	9.0	248.0	0.04	9.0	0.0	9.0	0.0	0.0	9.0
In-Lieu Fee Costs											\$0	\$0	\$1,800

Total In-Lieu Fee Cost = \$1,800

In-Lieu Fee

Impact I : (x 0.50) Loss of riparian Canopy on proposed stream relocation, channel modifications that deviate from or degrade the proper pattern, profile, dimension, and/or in stream habitat (riffles, pools, structures. Etc.), and synthetic channel liners along banks

Impact II : (x 0.75) Riprap lined channels (bottom & sides), channel modifications that significantly increase the existing channel cross sections to convey flood flows, riprap or concrete lined stream banks (both banks), Impoundments

Impact III : (x 1.0) Culverts/ Filling, loss of stream length, concrete lined channels (bottom & sides)

EXPLANATION			
IARAP #1	Existing culvert length =	239.00	feet
	Proposed culvert extension =	9.00	feet
	Total proposed culvert length =	248.00	feet

Figure 2 Table 1 Summary Of Individual Permit Stream Mitigation

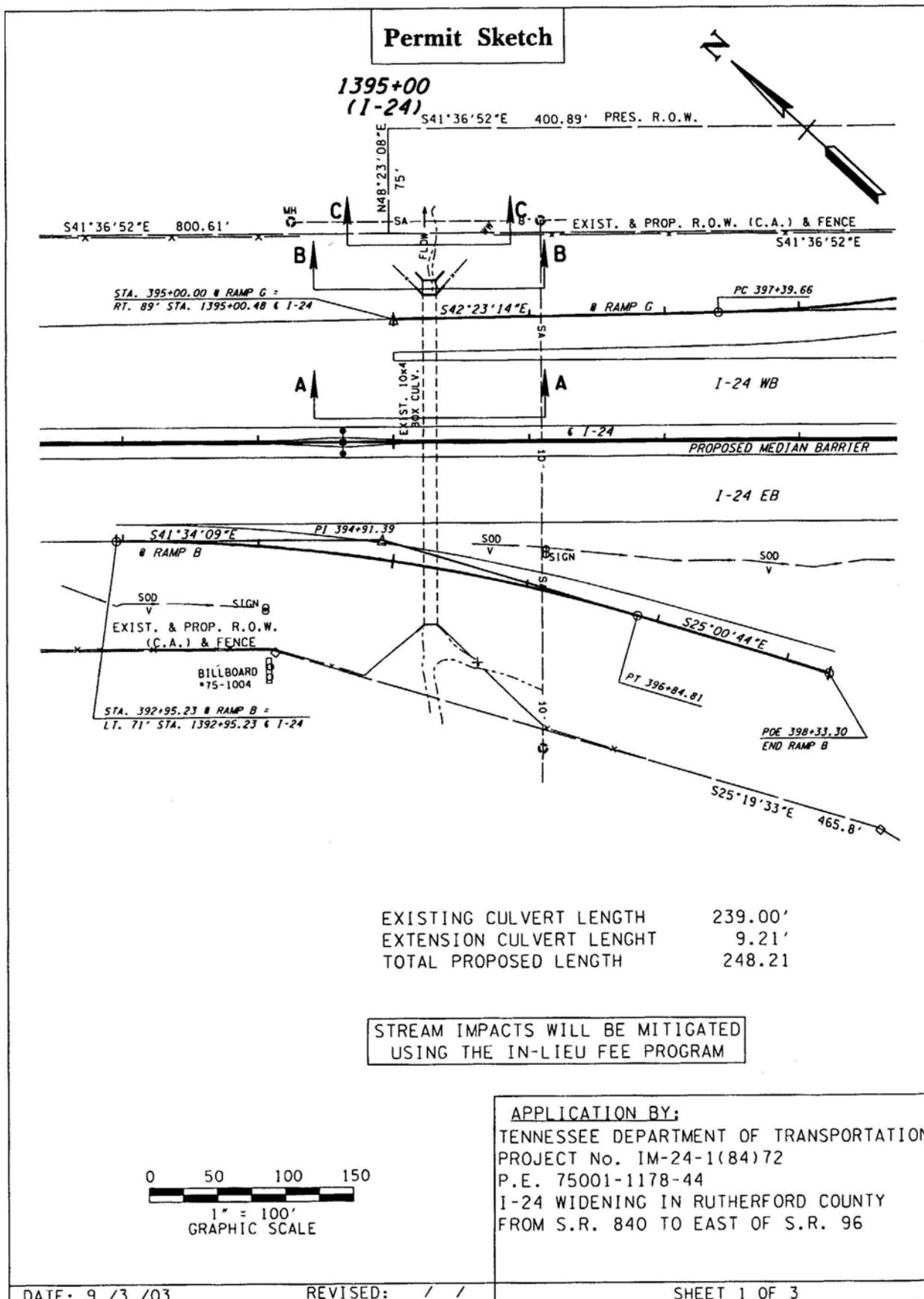
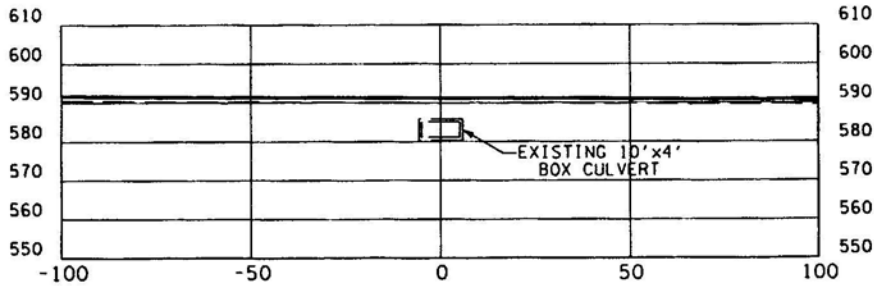


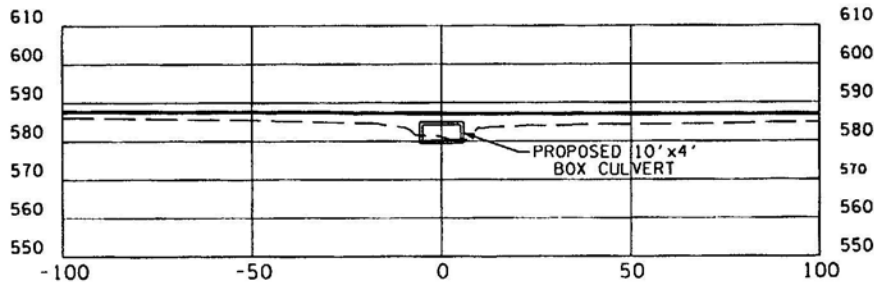
Figure 3 Permit Sketch 1

Permit Sketch



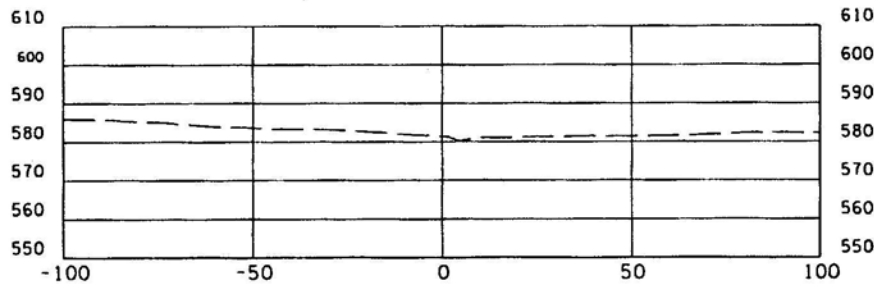
SECTION AA

(EXISTING 10'x4' BOX CULVERT AT STA. 1395+26.93, 90° SKEW)



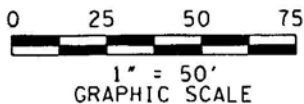
SECTION BB

(EXTENSION OF EXISTING 10'x4' BOX CULVERT AT STA. 1395+26.93, 90° SKEW)



SECTION CC

(EXISTING CHANNEL CROSS SECTION 25' DOWNSTREAM OF BOX CULVERT AT STA. 1395+26.93, 90° SKEW)



APPLICATION BY:

TENNESSEE DEPARTMENT OF TRANSPORTATION
PROJECT No. IM-24-1(84)72
P.E. 75001-1178-44
I-24 WIDENING IN RUTHERFORD COUNTY
FROM S.R. 840 TO EAST OF S.R. 96

: 9 / 3 / 03

REVISED: / /

SHEET 2 OF 3

Figure 4 Permit Sketch 2